

PREVENT STORM WATER CONTAMINATION

Best Management Practices for

Parking Garage and Parking Lot Cleaning

General Information:

- 1.) Federal Storm Water regulations require the City to reduce the quantity of pollutants that enter our storm drains, rivers and washes from rain water and other sources.
- 2.) Water from any source that contains pollutants is prohibited from entering the storm drain system, which includes streets, catch basins (street grates), ditches, washes and rivers.
- 3.) Before you start any wash process, sweep and collect dirt and debris and dispose of it in the trash.

Sidewalks and plazas with soap

- ♦ Before washing begins, sweep or shovel and dispose of debris in the trash.
- ♦ Apply signage and secure area to assure public safety.
- ♦ Wash water is not allowed in the storm drain or street.
- ♦ Seal storm drains with an impervious material before washing begins.
- ♦ Vacuum or pump the wash water to a holding tank for analysis and disposal.
- ♦ Contained wash water may be discharged into the sanitary sewer or to the landfill.
- ♦ If collected wastewater is transported from the wash site, it may be discharged into a sand/oil interceptor at your place of business. For treatment requirements prior to discharge please contact the City of Phoenix Pollution Control Division at 262-1859.

Sidewalks and Plazas - without soap

- ♦ Apply signage and secure area to assure public safety.
- ♦ Before washing begins, pick-up or sweep-up and dispose of debris in the trash.
- ♦ Direct wash water to landscape or sanitary sewer.
- ♦ Seal all storm drains with a fabric filter to collect dirt and debris.
- ♦ Sweep areas that collect heavy dust prior to hosing operations, dispose of dirt in the trash bin.

Surface cleaning with soap

- ♦ Wash water is not allowed to enter the storm drain, street or any other area outside the property limits.
- ♦ Wash water must be directed toward the sanitary sewer or collected and discharged to landfill.
- ♦ Using untreated wash water for landscape irrigation is not advised, it may kill plants.
- ♦ Seal storm drains with an impervious material before washing begins.
- ♦ If wastewater is contained on-site, it must be picked up by an authorized Waste Hauler.

Surface cleaning without soap

- ♦ Before washing begins, sweep or shovel and dispose of debris in the trash.
- ♦ Direct wash water to landscape or sanitary sewer.
- ♦ Seal all storm drains with a fabric filter to collect dirt and debris.
- ♦ Clean all equipment in a contained area and do not hose waste down the storm drain or street.
- ♦ Keep all areas clean and free of spill hazards.

Drive-ways, Drive-thrus and parking areas

- ♦ Wash water is not allowed in the storm drain or street.
- ♦ Dry clean oil deposits with absorbent and dispose of the waste in a trash receptacle.
- ♦ If using water for cleaning, seal storm drains with an impervious material before washing begins.
- ♦ Direct wash water to a sanitary sewer connection that is equipped with a sand/oil interceptor.

Best Management Practices for Parking Garage and Parking Lot Cleaning CONTINUED

Storage containers/Liquid Storage

- ♦ Inspect the external condition (corrosion, leaks) of the containers.
- ♦ Ensure that berms and dikes are built around the containers.
- ♦ Keep product covered and/or enclosed.
- ♦ Ensure that all containers are sealed. (e.g. lids shut, caps closed).
- ♦ Maintain inventory control of all raw and spent materials.
- ♦ Ensure all containers are properly labeled.
- ♦ Employ measures to protect against spillage (i.e. use of drip pans during the transfer of cleaners).
- ♦ Rotate stock on a regular basis.
- ♦ Keep up-to-date records on all supplies.

Housekeeping Practices

- ♦ Soapy water remaining in mop or wash buckets should be discharged to the sanitary sewer through a sink, toilet, clean-out or wash area with drain.
- ♦ Routinely sweep, shovel and dispose of litter in the trash.
- ♦ Use dry clean-up techniques for chemical or oil spills. (e.g. scatter absorbent on the spill, let it completely absorb then sweep it all up and dispose of it in the trash bin).
- ♦ Never pour or wash chemicals into the storm drain or street.

Masonry efflorescence (acid washing)

- ♦ Apply signage and secure area to assure public safety.
- ♦ Seal the storm drains using an impervious material before washing begins.
- ♦ Wash water from acid, degreaser or any other chemicals is prohibited from entering the storm drain, street or any other outside area.
- ♦ Vacuum or pump the wash water to a holding tank for proper disposal.

Training

- ♦ Personnel will be properly trained on chemical use, safety and proper disposal practices.
- ♦ Develop and implement a Storm Water Management Plan.
- ♦ Educate employees on proper disposal and handling procedures.
- ♦ Train employees in waste control, disposal, spill and response techniques.
- ♦ Ensure all products are sorted, labeled and Material Safety Data Sheets are available in the work area.
- ♦ Train all employees about Material Safety Data Sheets.

In case of a spill:

- ♦ Stop the spill at the source.
- ♦ Contain the spill until clean-up is completed.
- ♦ Use oil containment booms if water contamination is possible.
- ♦ Keep spill area well ventilated.
- ♦ Cover the spill with an absorbent or neutralizer. (refer to material safety data sheets)
- ♦ Dispose of clean-up materials properly.
- ♦ Do not use emulsifier or dispersant.

**Storm Drains are for Rain Water,
Pure and Simple.**



City of Phoenix

STREET TRANSPORTATION DEPARTMENT
STORM WATER MANAGEMENT SECTION

(602) 256-3190

Fax: (602) 495-2016

Upon request, the Street Transportation Department will make this publication available through appropriate auxiliary aids or services to accommodate an individual with a disability by calling 256-3190; or faxing a request to 495-2016.